AMENDMENT AFTER FINAL
U.S. Application No. 10/593,695

Atty. Docket No.: 1035-660
Art Unit No.: 2183

REMARKS/ARGUMENTS

Entry and consideration of the Amendments and Remarks herein, and reconsideration of all claims remaining of record as presently amended are respectfully requested.

Applicant wishes to thank the Examiner for his time and efforts in participating in the telephone interview on April 26, 2010. Applicant also acknowledges that the written substance of the telephonic interview set forth on the Interview Summary form PTOL-413 mailed 4/29/2010 reflects the substance of the conversation which took place during the telephone interview.

Applicants appreciate the Examiner's acknowledgement of the allowable subject matter of dependent claims 5-7, 12 and 14.

Within the 2/18/2010 Office Action, claims 1-4, 8-11, 13 and 15-17 were rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over Miki (U.S. Patent No. 6,810,474) in view of Huang (U.S. Patent No.4,943,909). This rejection is respectfully traversed.

By this amendment, independent claim 1 is herein amended above so as to more clearly set forth and more particularly point out novel and patentable aspects of Applicant's invention. The amendments are fully supported by the original disclosure and, thus, no new matter has been added. If the Examiner should disagree, however, it is respectfully requested that the challenged amendments/limitations be pointed out with particularity in the next Action so support may be cited in response.

More specifically, claim 1, the sole independent claim from which all other claims currently under consideration depend, is herein amended to more clearly set forth the generation of specific dependency relations information that indicates which particular input values and their corresponding addresses for each input element in an input pattern of the I/O group from

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which each particular output element in an associated output pattern of the I/O group is derived.
In this regard, Applicant respectfully contends that this amendment to claim 1 now clearly
distinguishes over Miki and/or Miki in view of Huang for at least the following reasons: First of
all, the memory disclosed and discussed by Miki is not a "dependency relations information
storage" of the type recited in Applicant's claims as defined by Applicant's specification. In
contrast to Miki's memory, Applicant's dependency relations information storage stores
"dependency relations" information regarding I/O data patterns for groups of instructions as
opposed to Miki's storage of only past execution results. *Second, Miki does not teach or disclose
any particular details of how specific input and output elements are derived or disclose or
suggest a means to identify the particular input elements from which each output element is
derived.* This deficiency is not rectified by the Huang '909 reference because Huang, at best,
describes only the very general relationship between input elements and the output elements, and
only for the instance of execution of one or more specific program instructions in the instruction
region. Consequently, neither Miki nor Huang teach or suggest Applicant's "dependency
relations information" limitation as currently set forth in Applicant's claim 1 for indicating the
value and address of the particular input element in the input pattern from which each output
element is derived.

SUMMARY

Applicant respectfully contends that neither Miki nor Huang, considered either alone or
together, teach or suggest a means for generating an I/O group that includes a dependency
relations storage section having specific dependency relations information that identifies input
values and corresponding addresses for each input element in an input pattern of the I/O group
from which each particular output element in an associated output pattern of the I/O group is

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derived. Consequently, it is believed and respectfully submitted that the above amendments and remarks place the above-identified patent application into condition for allowance without the need to further, and unnecessarily, limit claim 1 by incorporating the additional limitations set forth in Applicant's dependent claims 4 and 7, as suggested in the Office Action. Accordingly, a formal indication of allowability is now earnestly solicited. Should there be any minor outstanding matters that still need to be resolved, the Examiner is respectfully requested to contact Applicants' undersigned representative, using the telephone number listed below the signature line, in an effort to expedite prosecution.

The Commissioner is authorized to charge the undersigned's deposit account #14-1140 in whatever amount is necessary for entry of these papers and the continued pendency of the captioned application.

Respectfully submitted,

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